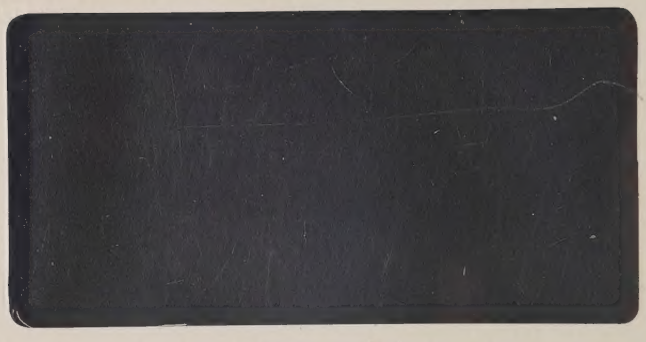
MZ115A

Anritsu

MP MASTER
MA33136



CERTIFICATION

Anritsu Electric Co., Ltd. certifies that this instrument has been thoroughly tested and inspected, and found to meet published specifications prior to shipping.
Anritsu further certifies that its calibration measurements are based on the Japanese Electrotechnical Laboratory and Radio Research Laboratory standards.

WARRANTY

All Anritsu products are warranted against defects in material and workmanship. The warranty is effective for one year from the date of delivery. In the event of improper use, abuse, or damage due to natural catastrophe, the warranty will become void. Anritsu will repair or replace products which prove to be defective during the warranty period, provided they are returned to Anritsu.
No other warranty is expressed or implied.
All requests for repairs and replacement parts should be directed to Anritsu or its representative in your area.

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OPERATION MANUAL

BATTERY CHARGER

MZ115A

NOTICE

Anritsu changed its name from Anritsu Electric Co., Ltd. to ANRITSU CORP.
The new name is effective from October 1st 1985. Please change the old name to the new name in this manual.

Note:

1. The instrument is operable on a nominal voltage of 100 to 127 Vac or 200 to 254 Vac by changing the connections on the power transformer taps.

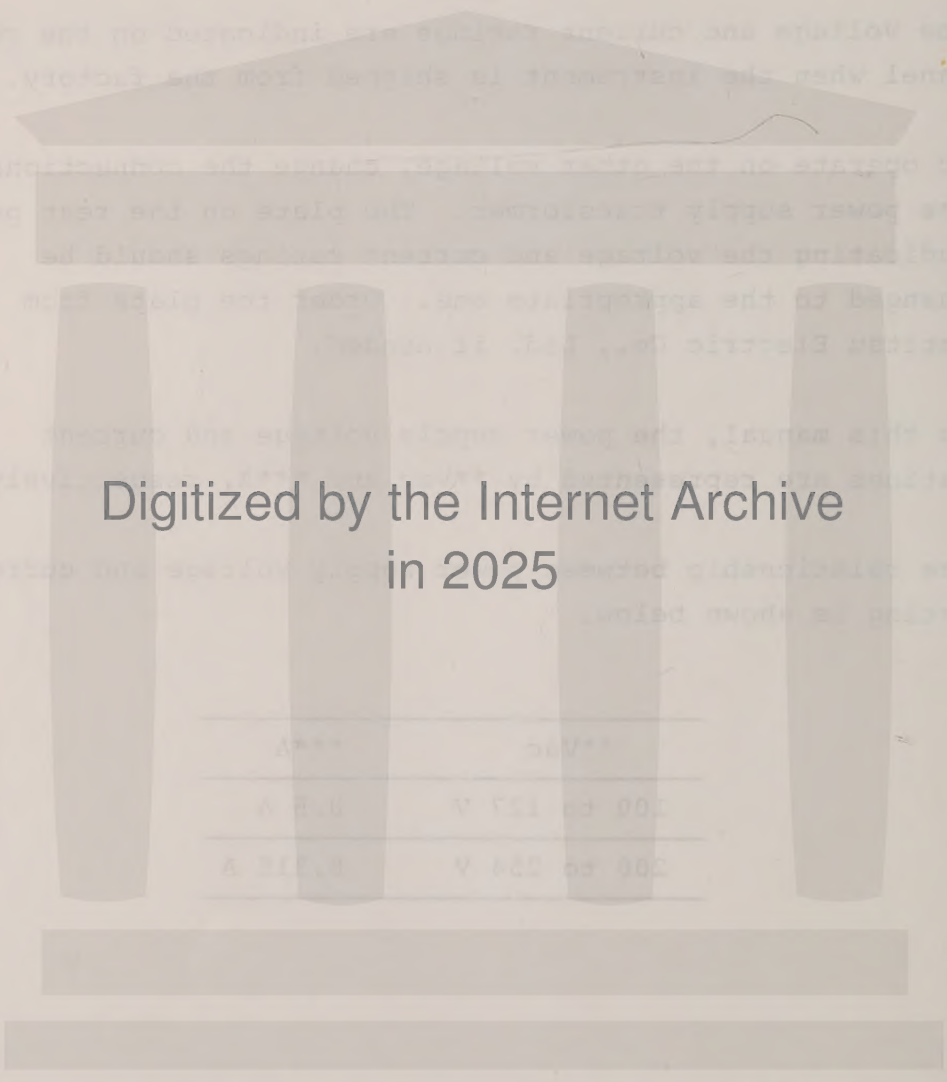
   The voltage and current ratings are indicated on the rear panel when the instrument is shipped from the factory.

   To operate on the other voltage, change the connections on the power supply transformer. The plate on the rear panel indicating the voltage and current ratings should be changed to the appropriate one. Order the plate from Anritsu Electric Co., Ltd. if needed.

2. In this manual, the power supply voltage and current ratings are represented by **Vac and ***A, respectively.

3. The relationship between power supply voltage and current rating is shown below.

**Vac	***A
100 to 127 V	0.5 A
200 to 254 V	0.315 A



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1. Use

The MZ115A Battery Charger is used to charge the MZ110B Battery Pack (Ni-Cd batteries for the ML521A/B, 522A/B/C Measuring Receiver). Two MZ110B Battery Packs can be charged simultaneously.

2. Specifications

The MZ115A specifications are shown in Table 2-1.

Table 2-1 Specifications

Item	Specification
Input voltage	AC ** V ±10%
Power supply frequency	50/60 Hz
Battery pack to be charged	One or two MZ110B Battery Packs
Charging time	Six to ten hours
Dimensions and weight	60 H, 210 W, 175 D mm, $\leqq$ 1.3 kg

3. Accessories

The standard accessories are shown in Table 3-1.

Table 3-1 Standard Accessory

Name	Q'ty	Remarks
Fuse	2	
Operation Manual	1	

4. Operation

Battery insertion: Insert one or two batteries into the MZ110B as shown in Figure 4-1.

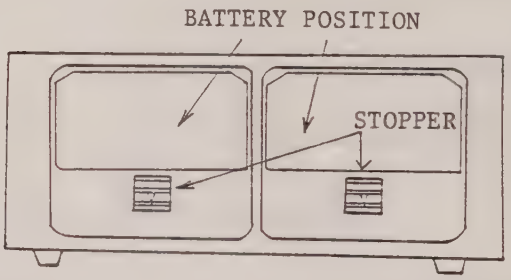

Fig. 4-1 Battery Insertion

Charging: Connect the MZ115A power supply cord to the power source, and turn the POWER switch ON (see Figure 4-2). The two pilot lamps will light. If only one MZ110B is inserted, only one pilot lamp will light. This pilot lamp indicates the status of the charging operation.

* The lamp lights at the beginning of the charging operation.
* The lamp blinks during the charging operation.
* As charging continues, the lamp blinks at longer intervals.
* At the end of charging, the lamp will blink at two to three second intervals. At this point, charging is completed, and the MZ110B should be removed from the MZ115A.

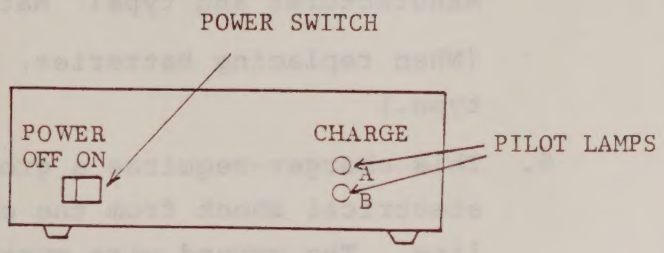

Fig. 4-2 MZ115A Front Panel

Battery removal: When the stoppers shown in Figure 4-1 are pushed down, the MZ115A will eject the MZ110B.

Notes:

1. During simultaneous charging of two MZ110Bs, the lighting of the pilot lamps will be affected if the two remaining electrical charges are different; however, proceed with charging in a normal manner.
2. Because the MZ115A is an automatic charger, overcharging will not occur, even if the MZ110B is left in the charger for an extended period of time.
3. The charging time for one MZ110B is less than that required for two MZ110Bs.
4. The ratings for batteries used in the MZ110B are shown below.

   Name: Ni-Cd batteries for high-speed charging

   Nominal voltage: 1.2 V

   Nominal capacity for five hours: 1650 mAh

   High-speed charging current: 180 mA

   High-speed charging time: 1.5 hours

   Dimensions: 26 x 50 mm maximum (Same as SUM-2)

Manufacturer and type: Matsushita, P-180CR

(When replacing batteries, be sure to use the same type.)

5. This charger requires a ground to prevent electrical shock from the connection to the ac line. The ground wire must be directly connected from the MZ115A charger ground terminal to ground.

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